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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lawrence W. Yonge et al. Art Unit : 2141
Serial No. : 10/720,742 Examiner : Unknown
Filed : November 24, 2003
Title : MEDIUM ACCESS CONTROL LAYER THAT ENCAPSULATES DATA
FROM A PLURALITY OF RECEIVED DATA UNITS INTO A PLURALITY OF
INDEPENDENTLY TRANSMITTABLE BLOCKS

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449. Accordingly, only copies of foreign patent documents and non-patent literature are enclosed. Applicants do not concede that the listed documents are prior art.

This statement is being filed before the receipt of a first Office Action on the merits.
Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 10/19/04


G. Roger Lee
Reg. No. 28,963

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit October 19, 2004

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Maureen Christiano
Typed or Printed Name of Person Signing Certificate

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) OCT 21 2004 37 CFR §1.98(b)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 04838-077001	Application No. 10/720,742
		Applicant Lawrence W. Yonge III et al.	
		Filing Date November 24, 2003	Group Art Unit 2141

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.P./

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6778507	08/17/04	Jalali			
	AB	6747976	06/08/04	Bensaou et al.			
	AC	6671284	12/30/03	Yonge III et al.			
	AD	6667991	12/23/03	Tzannes			
	AE	6654410	11/25/03	Tzannes			
	AF	6567914	05/20/03	Just et al.			
	AG	6553534	04/22/03	Yonge III et al.			
	AH	6538985	03/25/03	Petry et al.			
	AI	6526451	02/25/03	Kasper			
	AJ	6519263	02/11/03	Huth			
	AK	6501760	12/31/02	Obba et al.			
	AL	6487212	11/26/02	Erimli et al.			
	AM	6480489	11/12/02	Muller et al.			
	AN	6473435	10/29/02	Zhou et al.			
	AO	6466580	10/15/02	Leung			
	AP	6456649	09/24/02	Isaksson et al.			
	AQ	6442129	08/27/02	Yonge, III et al.			
	AR	6434153	08/13/02	Yazaki et al.			
	AS	6430661	08/06/02	Larson et al.			
	AT	6397368	05/28/02	Yonge, III et al.			
	AU	6385672	05/07/02	Wang et al.			
	AV	6370156	04/09/02	Spruyt et al.			
	AW	6363052	03/26/02	Hosein			
	AX	6343083	01/29/02	Mendelson et al.			
	AY	6334185	12/25/01	Hansson et al.			
	AZ	6295296	09/25/01	Tappan			
	AAA	6289000	09/11/01	Yonge, III			

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U.S. Patent Documents

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	ABB	6279716	08/28/01	Kayatani et al.			
	ACC	6278716	08/21/01	Rubenstein et al.			
	ADD	6278685	08/21/01	Yonge, III et al.			
	AEE	6259696	07/10/01	Yazaki et al.			
	AFF	6252849	06/26/01	Rom et al.			
	AGG	6243449	06/05/01	Margulis et al.			
	AHH	6243386	06/05/01	Chan et al.			
	AII	6222851	04/24/01	Petry			
	AJJ	6216244	04/10/01	Myers et al.			
	AKK	6215792	04/10/01	Abi-Nassif			
	ALL	6202082	03/13/01	Tomizawa et al.			
	AMM	6192397	02/20/01	Thompson			
	ANN	6188717	02/13/01	Kaiser et al.			
	AOO	6182147	01/30/01	Farinacci			
	APP	6169744	01/02/01	Grabelsky et al.			
	AQQ	6151296	11/21/00	Vijayan et al.			
	ARR	6130894	10/10/00	Ojard et al.			
	ASS	6130887	10/10/00	Dutta			
	ATT	6125150	09/26/00	Wesel et al.			
	AUU	6108713	08/22/00	Sambamurthy et al.			
	AVV	6092214	07/18/00	Quoc et al.			
	AWW	6076115	06/13/00	Sambamurthy et al.			
	AXX	6052377	04/18/00	Ohmi et al.			
	YYY	6044482	03/28/00	Wong			
	AZZ	6041358	03/21/00	Huang et al.			
	AAAA	6044154	03/28/00	Kelly			
	ABBB	6041063	03/21/00	Povlsen et al.			

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	ACCC	6006017	12/21/99	Joshi et al.			
	ADDD	6005894	12/21/99	Kumar			
	AEEE	5987011	11/16/99	Toh			
	AFFF	5970062	10/19/99	Bauchot			
	AGGG	5966412	10/12/99	Ramaswamy			
	AHHH	5956338	09/21/99	Ghaibeh			
	AIII	5948060	09/07/99	Gregg et al.			
	AJJJ	5940438	08/17/99	Poon et al.			
	AKKK	5940399	08/17/99	Weizman			
	ALLL	5914959	06/22/99	Marchetto et al.			
	AMMM	5914932	06/22/99	Suzuki et al.			
	ANNN	5903614	05/11/99	Suzuki et al.			
	AOOO	5896561	04/20/99	Schrader et al.			
	APPP	5892769	04/06/99	Lee			
	AQQQ	5886993	03/23/99	Ruszczuk et al.			
	ARRR	5884040	03/16/99	Chung			
	ASSS	5841873	11/24/98	Lockhart et al.			
	ATTT	5841778	11/24/98	Shaffer et al.			
	AUUU	5828677	10/27/98	Sayeed et al.			
	AVVV	5825807	10/20/98	Kumar			
	AWWW	5818826	10/06/98	Gfeller et al.			
	AXXX	5818821	10/06/98	Schurig			
	AYYY	5812599	09/22/98	Van Kerckhove			
	AZZZ	5799033	08/25/98	Baggen			
	AAAAA	5793307	08/11/98	Perrault et al.			
	ABBBB	5790541	08/04/98	Patrick et al.			
	ACCCC	5787071	07/28/98	Basso et al.			

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	ADDD	5771235	06/23/98	Tang et al.			
	AEEE	5764931	06/09/98	Schmahl et al.			
	AFFF	5757770	05/26/98	Lagoutte et al.			
	AGGG	5757766	05/26/98	Sugita			
	AHHH	5745769	04/28/98	Choi			
	AIII	5737330	04/07/98	Fulthorp et al.			
	AJJJ	5732113	03/24/98	Schmidl et al.			
	AKKK	5717689	02/10/98	Ayanoglu			
	ALLL	5706348	01/06/98	Gray et al.			
	AMMM	5694389	12/02/97	Seki et al.			
	ANNN	5651009	07/22/97	Perreault et al.			
	AOOO	5644576	07/01/97	Bauchot et al.			
	APPP	5636230	06/03/97	Marturano et al.			
	AQQQ	5629948	05/13/97	Hagiwara et al.			
	ARRR	5623512	04/22/97	Sasaki			
	ASSS	5619651	04/08/97	Young			
	ATTT	5615212	03/25/97	Ruszczyk et al.			
	AUUU	5612975	03/18/97	Becker et al.			
	AVVV	5610908	03/11/97	Shelswell et al.			
	AWWW	5568476	10/22/96	Sherer et al.			
	AXXX	5563897	10/08/96	Pyndiah et al.			
	AYYY	5563883	10/08/96	Cheng			
	AZZZ	5555268	09/10/96	Fattouche et al.			
	AAAAA	5548649	08/20/96	Jacobson			
	ABBBB	5541922	07/30/96	Pyhalamm			
	ACCCC	5537414	07/16/96	Takiyasu et al.			
	ADDD	5524027	06/04/96	Huisken			

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	AEEEE	5515379	05/07/96	Crisler et al.			
	AFFFF	5504747	04/02/96	Sweazey			
	AGGGG	5488632	01/30/96	Mason et al.			
	AHHHH	5483529	01/09/96	Baggen et al.			
	AIIII	5473602	12/05/95	McKenna et al.			
	AJJJJ	5452322	09/19/95	Lauer			
	AKKKK	5452288	09/19/95	Rahuel et al.			
	ALLLL	5448565	09/05/95	Chang et al.			
	AMMMM	5436905	07/25/95	Li et al.			
	ANNNN	5426646	06/20/95	Slack			
	AOOOO	5416801	05/16/95	Chouly et al.			
	APPPP	5384777	01/24/95	Ahmadi et al.			
	AQQQQ	5343473	08/30/94	Cidon et al.			
	ARRRR	5339313	08/16/94	Ben-Michael et al.			
	ASSSS	5307376	04/26/94	Castelain et al.			
	ATTTT	5280480	01/18/19	Pitt et al.			
	AUUUU	5274629	12/28/93	Helard et al.			
	AVVVV	5231634	07/27/93	Giles et al.			
	AWWWW	5228025	07/13/93	Le Floch et al.			
	AXXXX	5214646	05/25/93	Yacoby			
	AYYYY	5197061	03/23/93	Halbert-Lassalle et al.			
	AZZZZ	5157659	10/20/92	Schenkel			
	AAAAA	5140584	08/18/92	Suzuki			
	ABBBB	5121396	06/09/92	Irvin et al.			
	ACCCC	5105423	04/14/92	Tanaka et al.			
	ADDDD	5081678	01/14/92	Kaufman et al.			
	AEEEE	5046069	09/03/91	Calvignac et al.			

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U.S. Patent Documents

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	AAAAAA	5003539	03/26/91	Takemoto et al.			
	AGGGGG	5001472	03/19/91	Fischer et al.			
	AHHHHH	4943959	07/24/90	Arnold			
	AIIIII	4881241	11/14/89	Pommier et al.			
	AJJJJJ	4819229	04/04/89	Pritty et al.			
	AKKKKK	4792947	12/20/88	Takiyasu et al.			
	ALLLLL	4726018	02/16/88	Bux et al.			
	MMMMMM	4720850	01/19/88	Oberlander et al.			
	NNNNNN	4677612	06/30/87	Olson et al.			
	OOOOOO	4630261	12/16/86	Irvin			
	PPPPPP	4581734	04/08/86	Olson et al.			
	QQQQQQ	4569044	02/04/86	Tao et al.			
	RRRRRR	3806885	04/23/74	Moore			
	SSSSSS	2004/0001499	01/01/04	Patella et al.			
	TTTTTT	2003/0006883	01/09/03	Kim et al.			
	UUUUUU	2003/0174664	09/18/03	Benveniste			
	VVVVVV	2003/0079169	04/24/03	Ho et al.			
	WWWWWW	2002/0191533	12/19/02	Chini et al.			
	XXXXXX	2002/0065047	05/30/02	Moose			
	YYYYYY	2002/0048368	04/25/02	Gardner			
	ZZZZZZ	2002/0042836	04/11/02	Mallory			
	AAAAAA	2001/0048692	12/06/01	Kamer			
	BBBBBB	2001/0043576	11/22/01	Terry			
	CCCCCC	Re. 35,001	07/25/95	Grow			

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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

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							Yes	No
	DDDDDD	02/41598	05/23/02	PCT				
	EEEEEE	98/57440	12/17/98	PCT				
	FFFFFF	3413144	10/17/85	Germany				

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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	GGGGGG	USSN 09/632,303
	HHHHHH	Sun et al., Public-key ID-based Cryptosystem, 1991, IEEE, pages 142-144
	IIIIII	Bruschi, Danilo, Secure Multicast in Wireless Networks of Mobile Hosts: Protocols and Issues, 2002, Mobile Networks and Applications, pages 503-511
	JJJJJJ	IBM, Combined use of collision resolution and collision avoidance MAC protocols, 10/1/1994, IBM Technical Disclosure Bulletin, Vol. 37, Pages 299-302 (NN9410299)
	KKKKKK	ISO/IEC 8802-3: 2002 International Standard (ANSI/IEEE Std 802.3) Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications
	LLLLLL	ISO/IEC 8802-11: 1999 International Standard (ANSI/IEEE Std 802.11) Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications
	MMMMMM	Shared Wireless Access Protocol (Cordless Access) Specification, SWAP-CA Revision 1.21, 27 January 1999, by the HomeRF™ Technical Committee
	NNNNNN	Interface Specification for HomePNA™ 2.0 - 10M8 Technology, 12/01/1999
	OOOOOO	Interface Specification for HomePNA™ 2.0 - 10M8 Technology - Link Layer Protocols, 12/01/1999
	PPPPPP	Bux, "Token-Ring Local-Area Networks and Their Performance," Procs. Of the IEEE, Vol. 77, No. 2, February 1989
	QQQQQQ	Applied Cryptography, Second Edition: protocols, algorithms, and source code in C, Bruce Schneier, 1996
	RRRRRR	PKCS #5 v. 20: Password-Based Cryptography Standard, RSA Laboratories, March 25, 1999
	SSSSSS	HomePlug Powerline Alliance, HomePlug 1.0.1 Specification, December 1, 2001
	TTTTTT	Lee et al., "HomePlug 1.0 powerline communication LANs - protocol description and performance results", Int. J. Commun. Syst., Vol. 16 (2003)
	UUUUUU	Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications, ISO/IEC 8802-3: 1996 International Standard (ANSI/IEEE Std 802.3)
	VVVVVV	Bertsekas et al., Data Networks, Prentice Hall, Englewood Cliffs, NJ, Section 2.4.3 Selective Repeat ARQ (1992)
	WWWWWW	HiPerformance Radio Local Area Network (HiperLAN) Type 1: Functional Specification, European Standard (Telecommunication Series) No. 300652 V. 1.2.1 1998-07
	XXXXXX	An Architecture for Differentiated Services, IETF RFC 2475, December 1998

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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	YYYYYY	Goalic et al., "Real-Time Turbo-Decoding of Product Codes on a Digital Signal Processor," IEEE, pp. 624-628 (1997)
	AZZZZZ	Benedetto et al., "A Soft-Input Soft-Output Maximum A Posteriori (MAP) Module to Decode Parallel and Serial Concatenated Codes," TDA Progress Report 42-127, pp. 1-20 (11/96)
	AAAAAA	Peterson et al., "Error-Correcting Codes," The MIT Press (1972)
	BBBBBB	Pyndiah, "Near-Optimum Decoding of Product Codes: Block Turbo Codes," IEEE Transactions on Communications, Vol. 46, No. 8, pp. 1003-1010 (08/98)
	CCCCCC	Pyndiah, "Near Optimum Decoding of Product Codes," IEEE, pp. 339-343 (1994)
	DDDDDD	Pyndiah, "Performance of Block Turbo Coded 16-QAM and 64-QAM Modulations," IEEE, pp. 1039-1043 (1995)
	EEEEEE	Ehlsam et al., "A cryptographic key management scheme for implementing the Data Encryption Standard," IBM Syst J, Vol. 17, No. 2 (1978)

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